



How to Conduct this Class

- Setup
 - AFATDS:
 - IMEF database loaded.
 - The 1MEB databases are comprised of 12 separate databases. This class can be should be conducted with all stations setup as any FSCC/FFCC.
 - » This class specifically applies to FSCC and FFCC
 - Implement Plan Volcanic Phase 1, all geometry and guidance and Phase 2, all enemy units and enemy geometry
 - Establish a client user at AFATDS
 - » Name: ffc1imef
 - » Password: ffc1imef



How to Conduct this Class

- Setup
 - SISTIM:
 - IMEF_MODULAR scenario with all nets except the GDU net active
 - Start class on next slide.



USMC FIT

Raytheon

C2PC-EMT UNITS

ALL MOS'S



Objective

- Establish Units Preferences
- Filter unit data displayed on map.
- Examine unit data.
- Report a change in unit location.
- Create a filter.
- View Unit Task Organization (UTO)



Establish Units Preferences

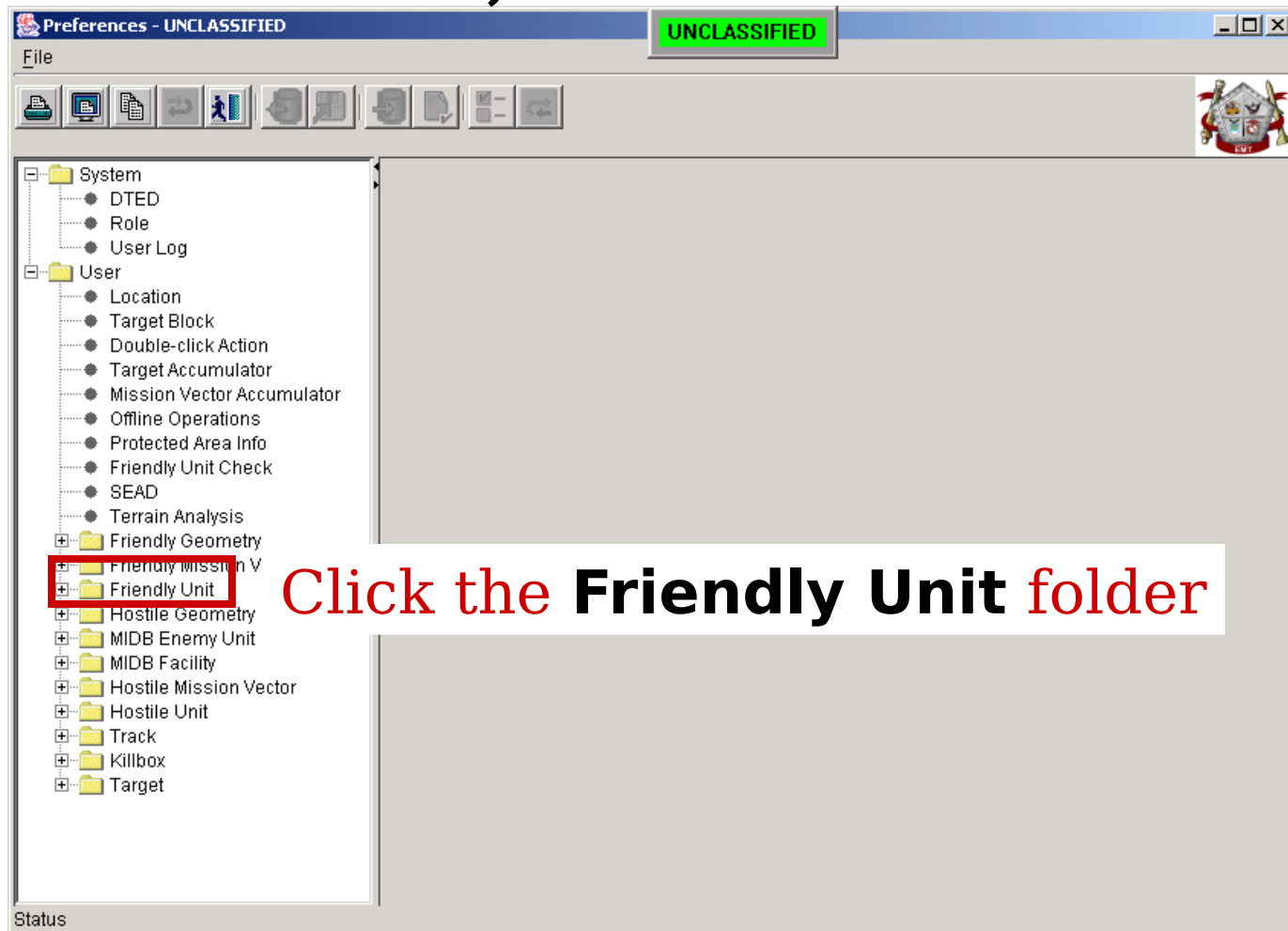


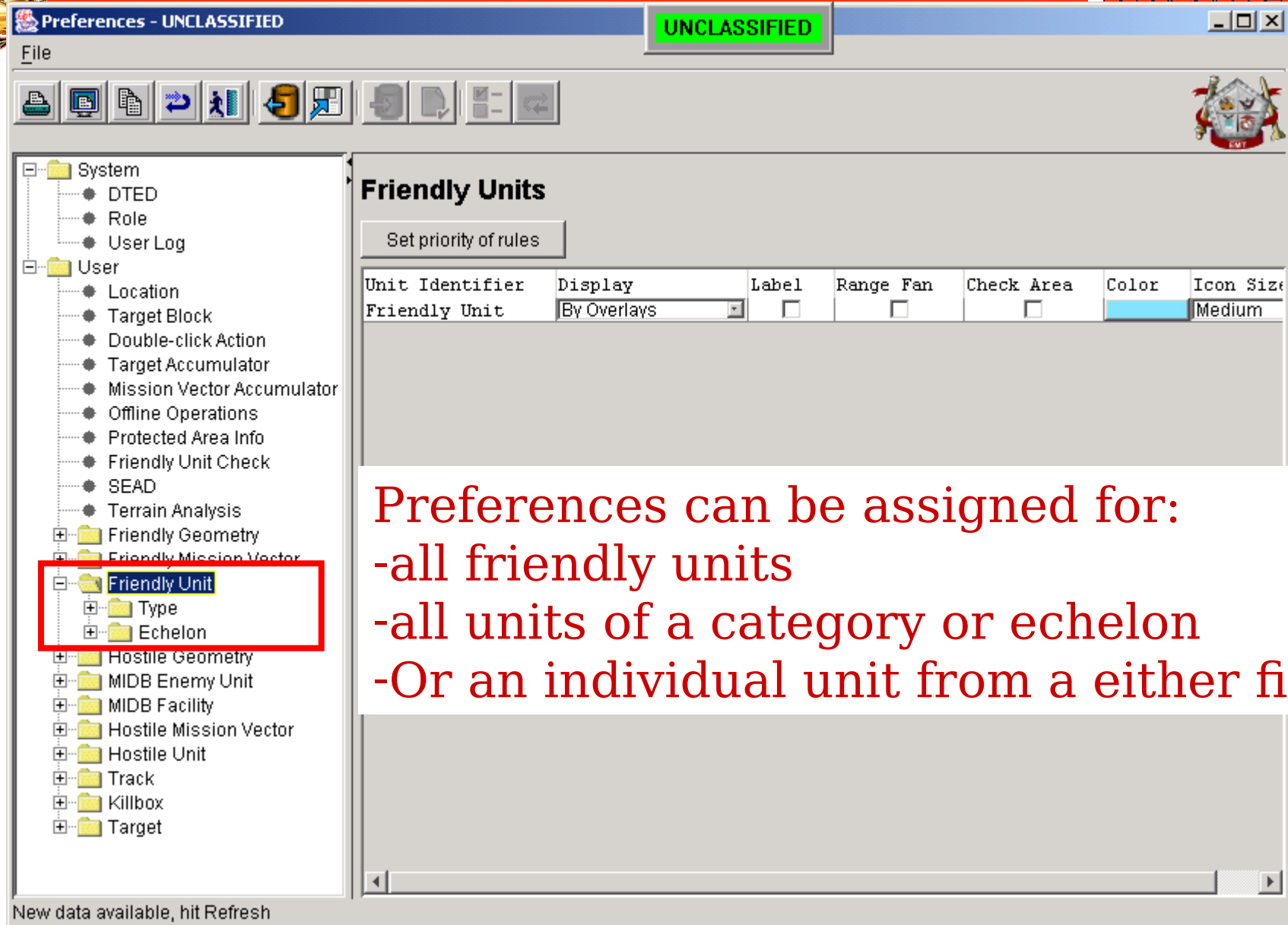
Preferences allow the EMT to...

- Change the colors of units.
- Filter units from the display.
- Cause unit labels to display by default.
- Cause unit range fans to display by default.



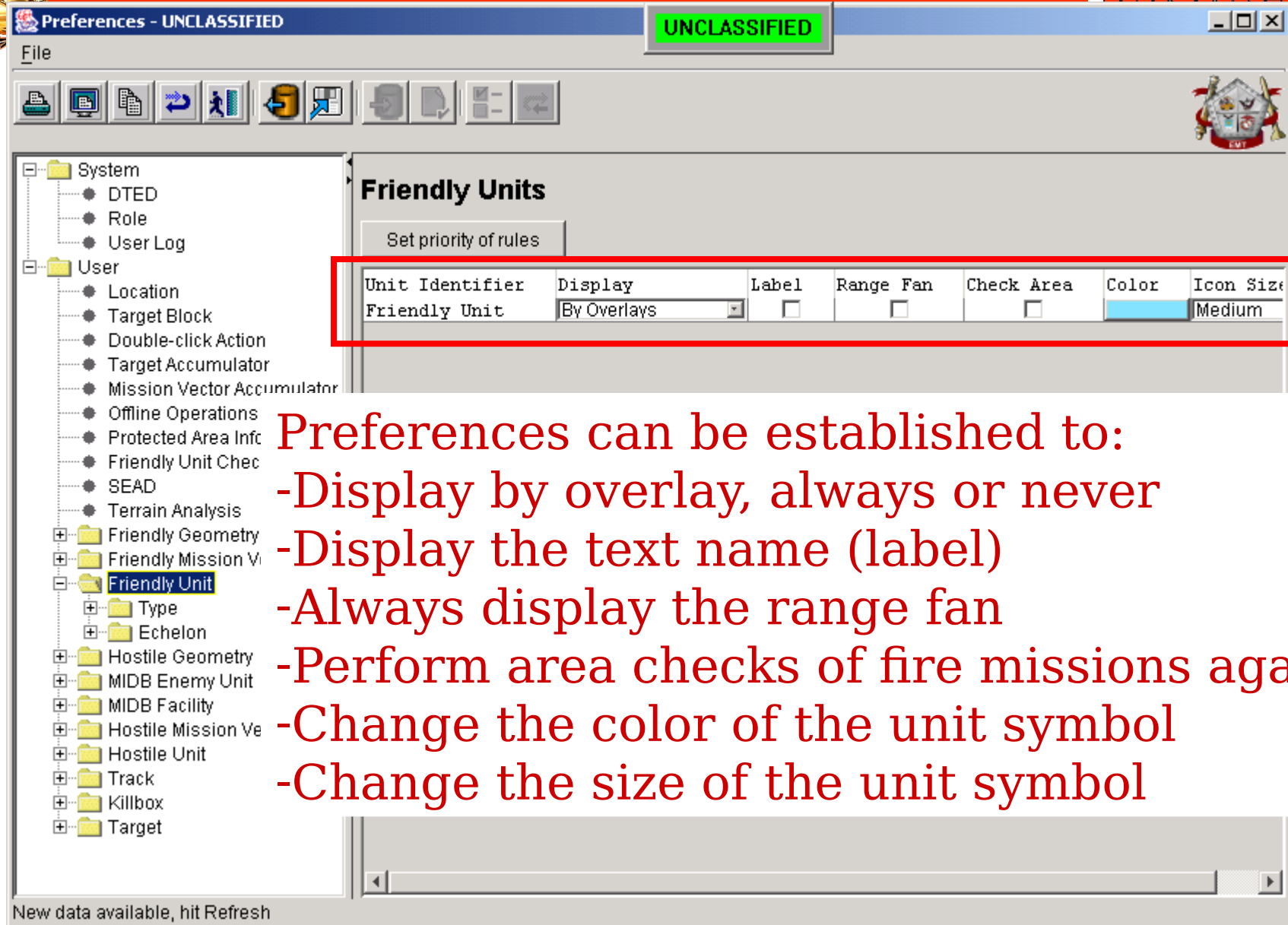
Click **EMT Tools, Preferences...**





Preferences can be assigned for:

- all friendly units
- all units of a category or echelon
- Or an individual unit from a either filter



Preferences can be established to:

-Display by overlay, always or never

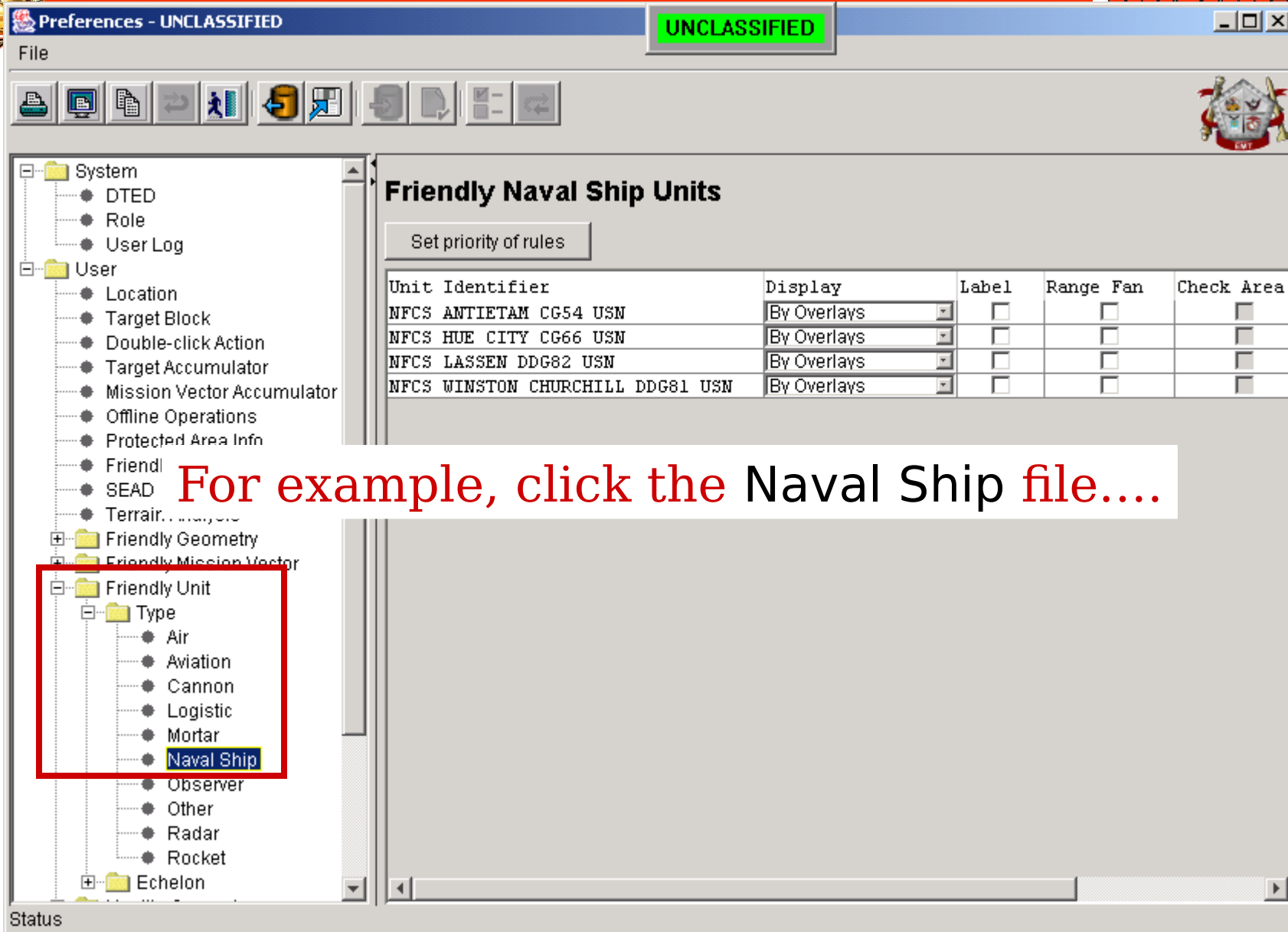
-Display the text name (label)

-Always display the range fan

-Perform area checks of fire missions against

-Change the color of the unit symbol

-Change the size of the unit symbol



For example, click the Naval Ship file....



Preferences - UNCLASSIFIED

UNCLASSIFIED

File

System

- DTED
- Role
- User Log

User

- Location
- Target Block
- Double-click Action
- Target Accumulator
- Mission Vector Accumulator
- Offline Operations
- Protected Area Info
- Friendly Unit Check
- SEAD
- Terrain Analysis
- Friendly Geometry
- Friendly Mission Vector
- Friendly Unit
 - Type
 - Air
 - Aviation
 - Cannon
 - Logistic
 - Mortar
 - Naval Ship
 - Observer
 - Other
 - Radar
 - Rocket
- Echelon

Status

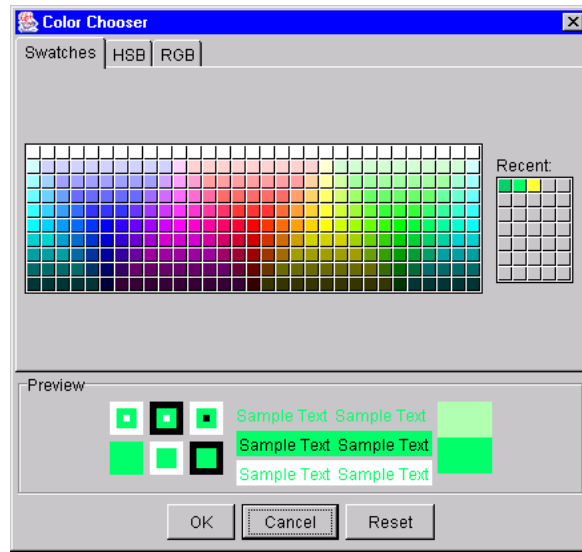
Friendly Naval Ship Units

Set priority of rules

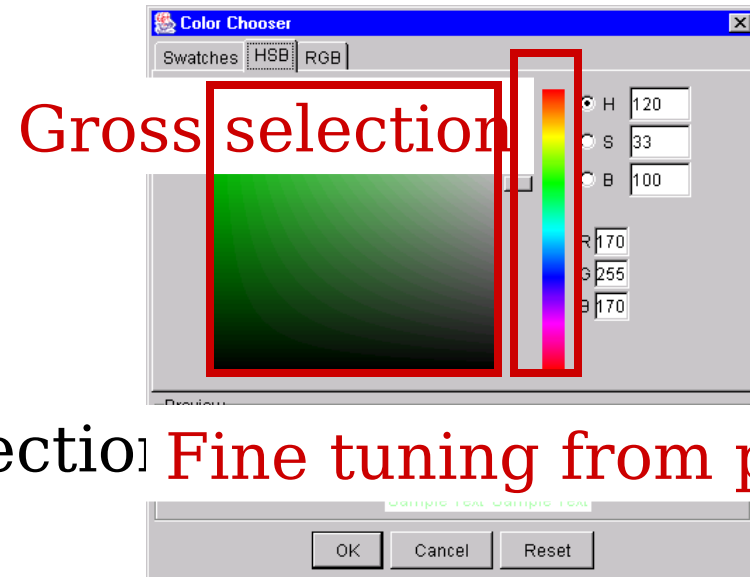
Unit Identifier	Display	Label	Range Fan	Check Area	Color	Icon Size
NFCS ANTIETAM CG54 USN	By Overlays	☐	☐	☐		Medium
NFCS HUE CITY CG66 USN	By Overlays	☐	☐	☐		Medium
NFCS LASSEN DDG82 USN	By Overlays	☐	☐	☐		Medium
NFCS WINSTON CHURCHILL DDG81 USN	By Overlays	☐	☐	☐		Medium

Click the Color button.n

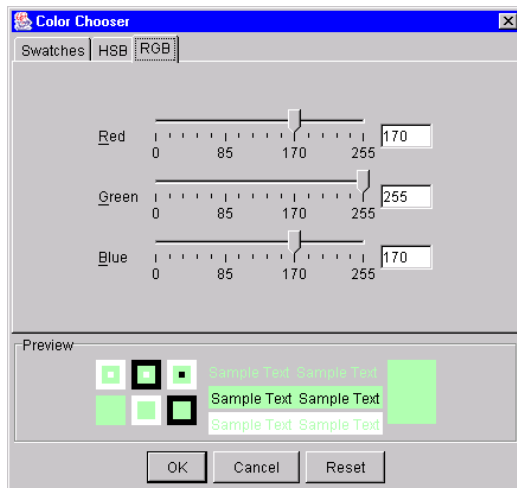
Check the Label and Range Fan boxes for NFCS CHURCHILL DDG81 USN



Swatches tab allow selection of unit and range fan color from a matrix.



HSB tab allows color selection: Fine tuning from panel



RGB tab allows adjustment of unit and range fan color by sliding bars for red, green and blue components.

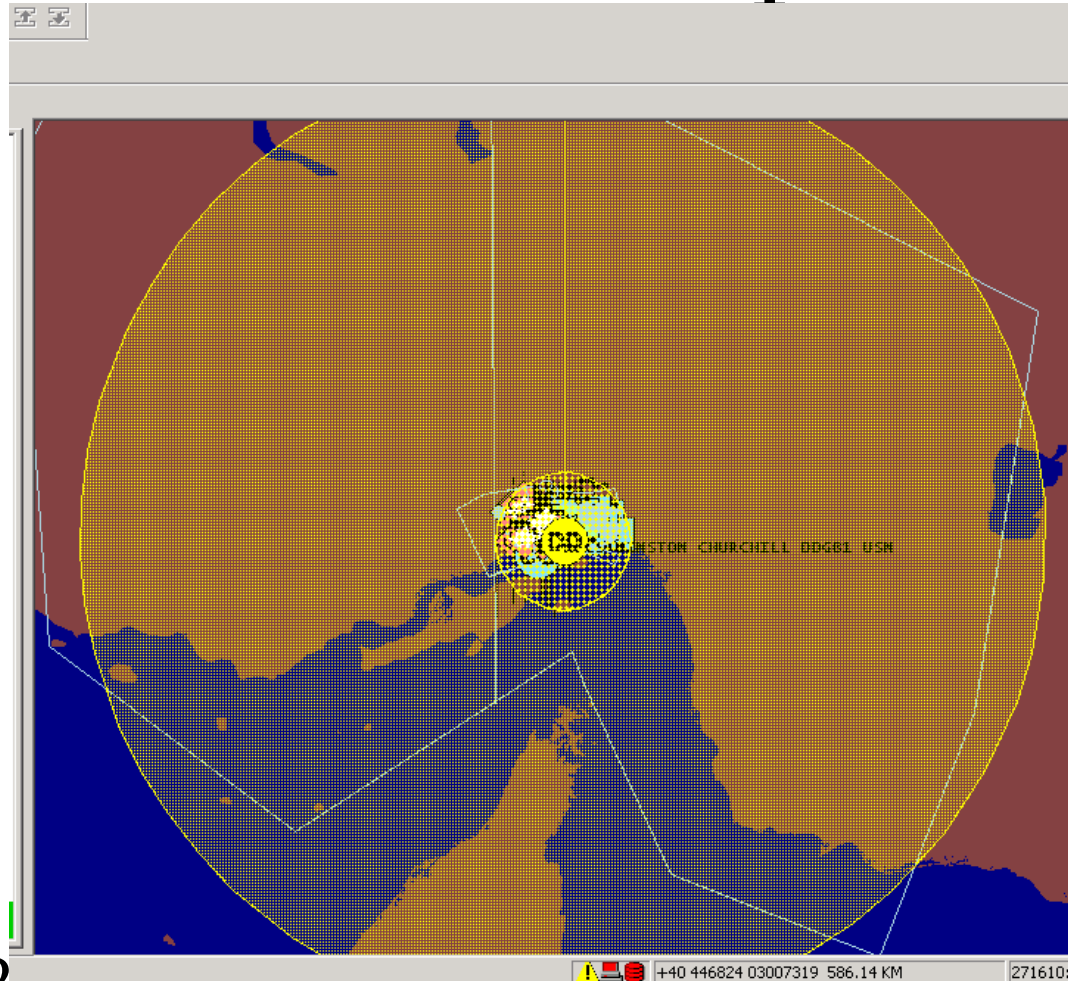


Select Yellow from the Swatch tab

- OK the Color Chooser window.
- Click the **Apply** icon
 - Confirm the change is for current session only.
 - Note that preference changes can be saved as a file and implemented again later. Multiple users may maintain separate preference files.



Locate CHURCHILL on the C2PC map...



040502 vs.

4.0.0

MOD 200 C2PC

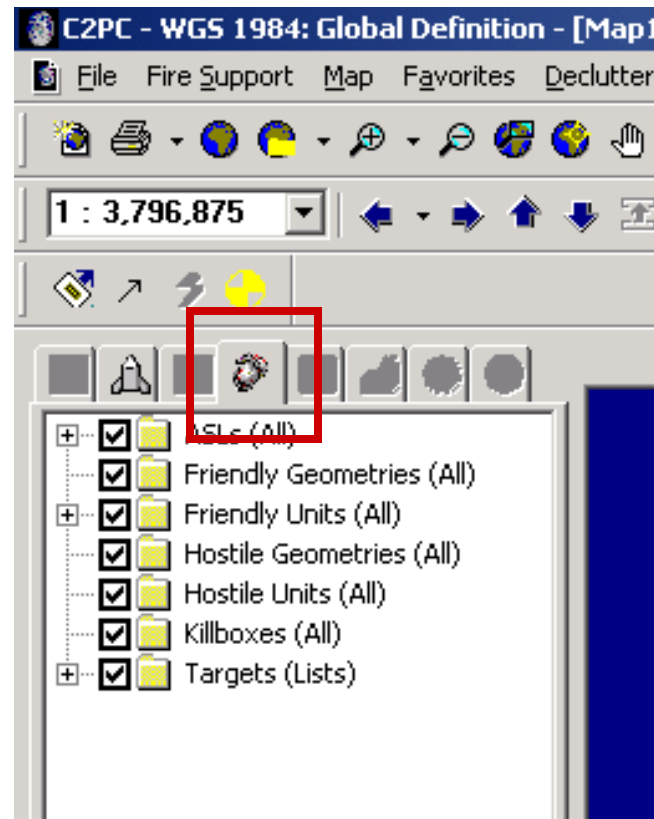
FMT UNITS(ALL



Filter the Units Display



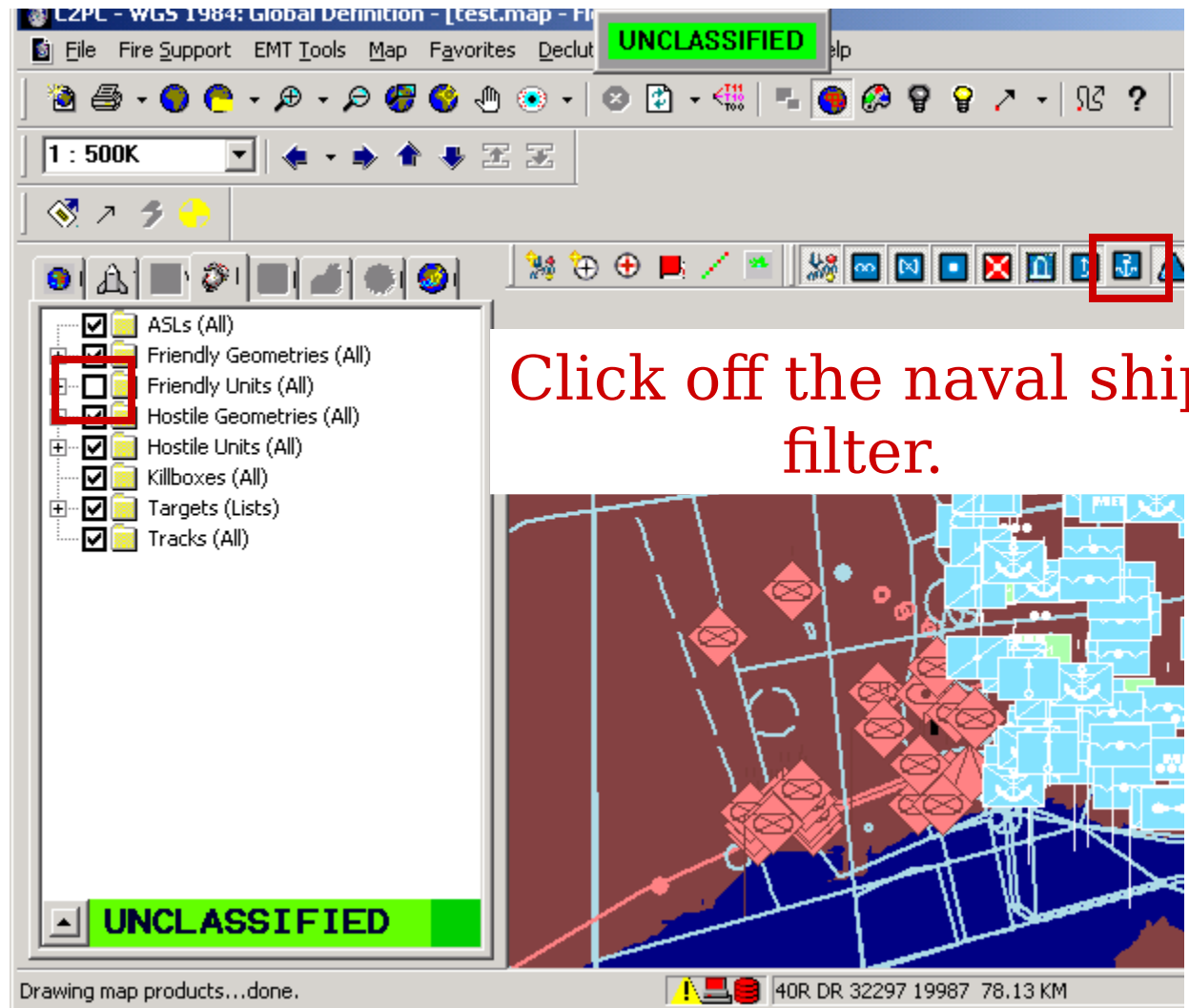
EMT Tab



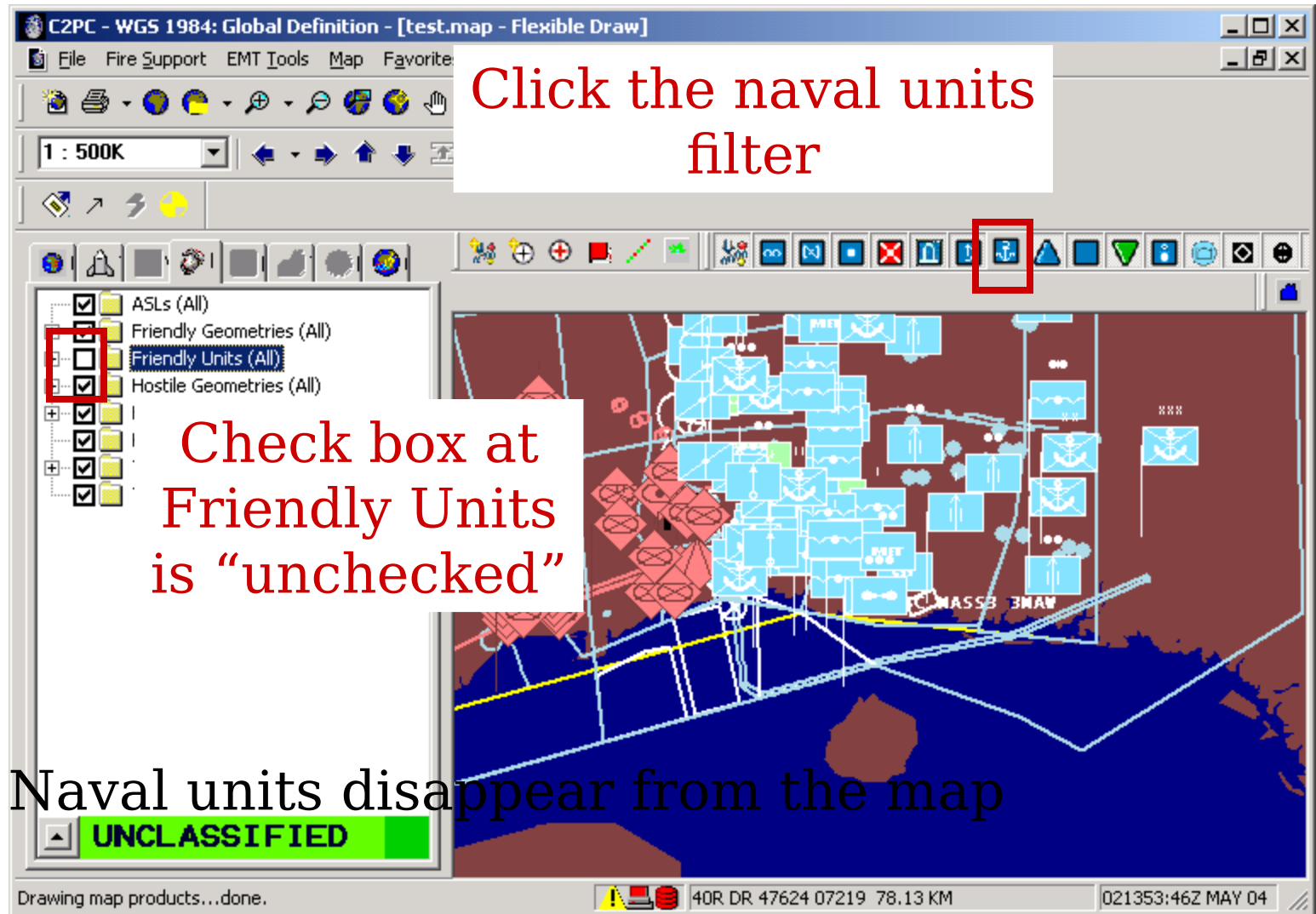
Clicking the EMT tab displays the EMT data tree.



Check box
At Friendly Units
Is not checked

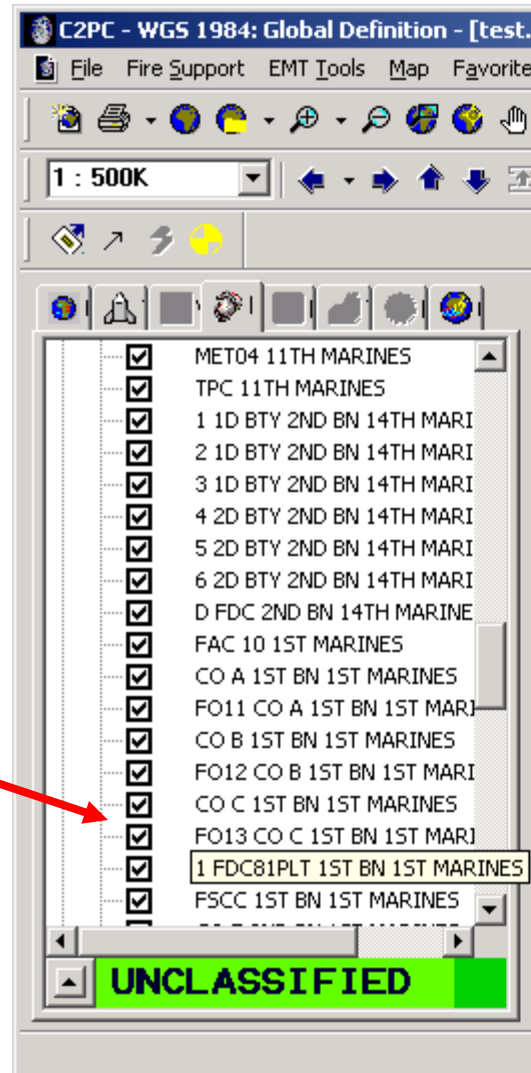


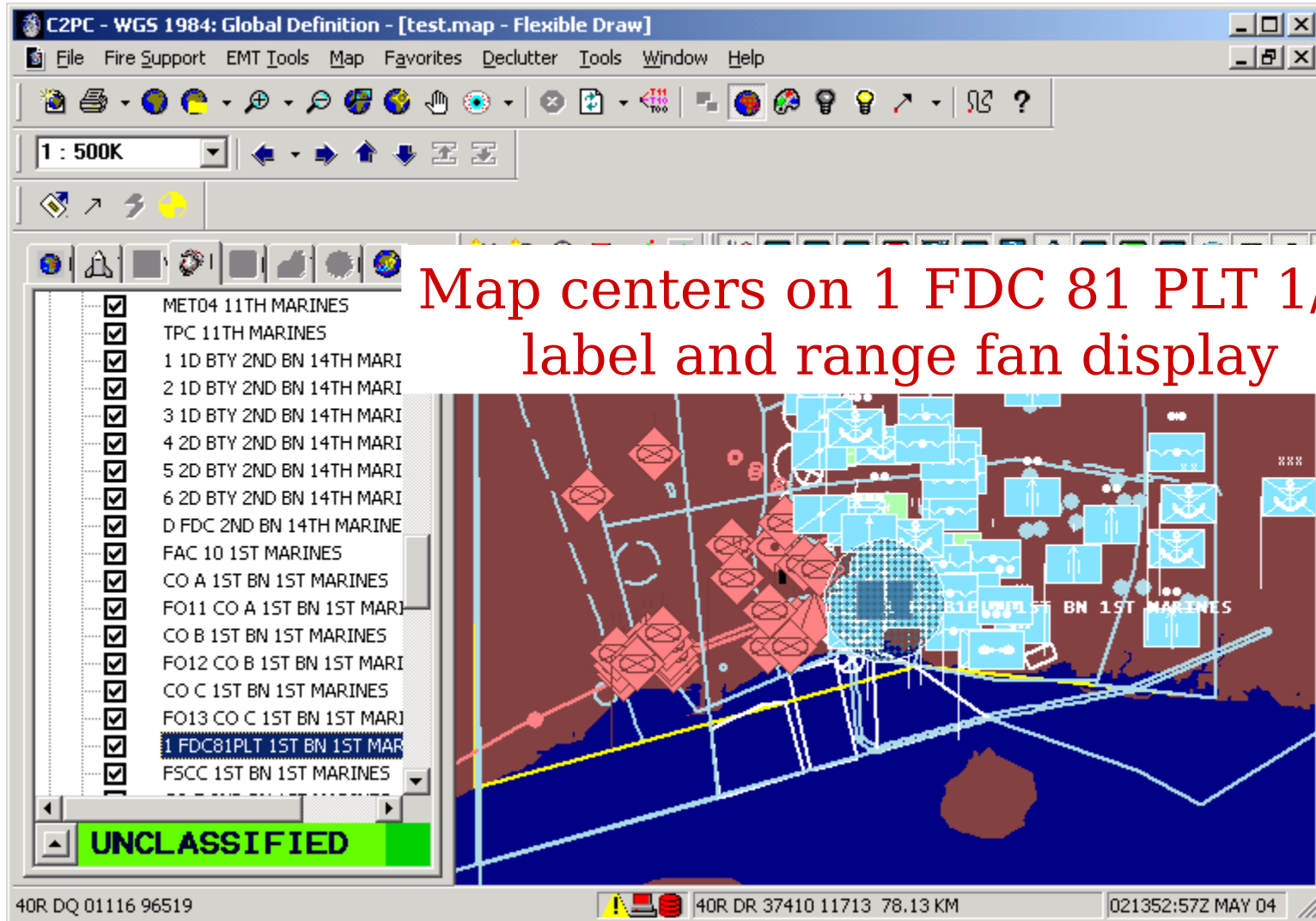
Click off the naval ship
filter.





Double-click
the unit name
1 FDC 81 PLT
1ST BN
1ST MARINES







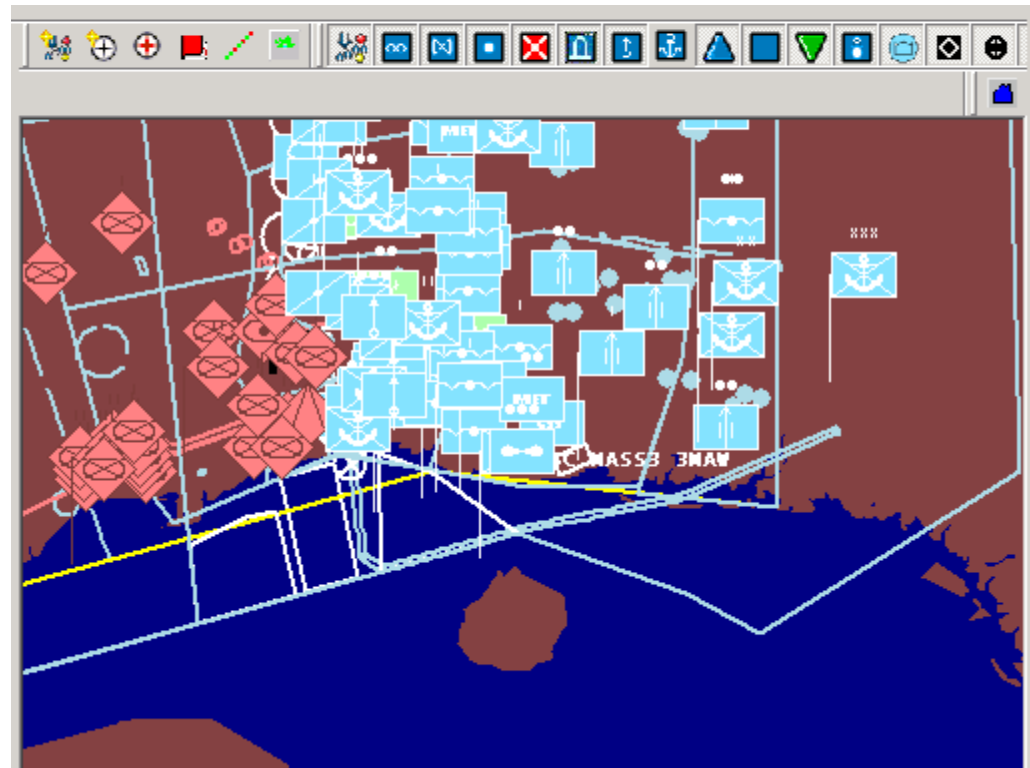
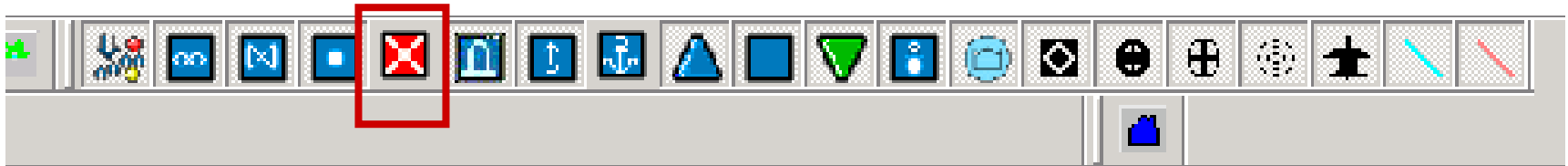
Filtering Categories of Units

- EMT Tool Bar icons allow all units of a category to be removed...
 - for example, all ENEMY UNITS



Filter out all enemy units.

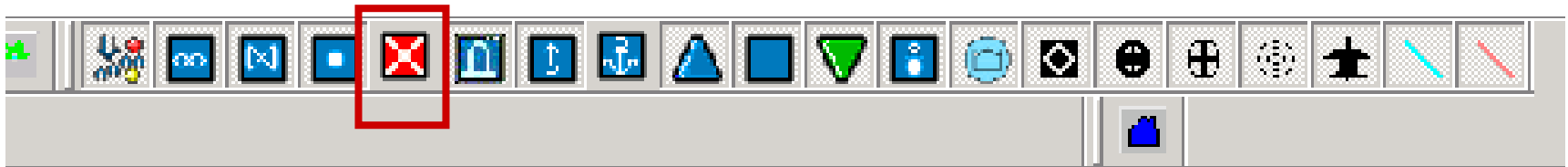
Click the Enemy Units icon





Filter out all enemy units.

Click the Enemy Units icon





Units can be filtered by type...

Air Units



Filters toggles friendly units stored in AFATDS with a unit type of AIR.



Units can be filtered by type...

Aviation Units



Filters toggles friendly units stored in AFATDS with a unit type of AVIATION.



Units can be filtered by type...

Cannon Units

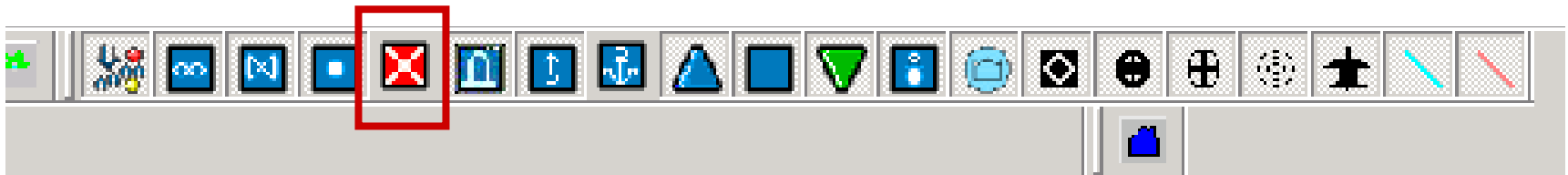


Filters toggles friendly units stored in AFATDS
in a unit type of CANNON. This includes battery level towed
towed and self-propelled GDU-equipped units and
individual Paladin guns



Units can be filtered by type...

Enemy Units

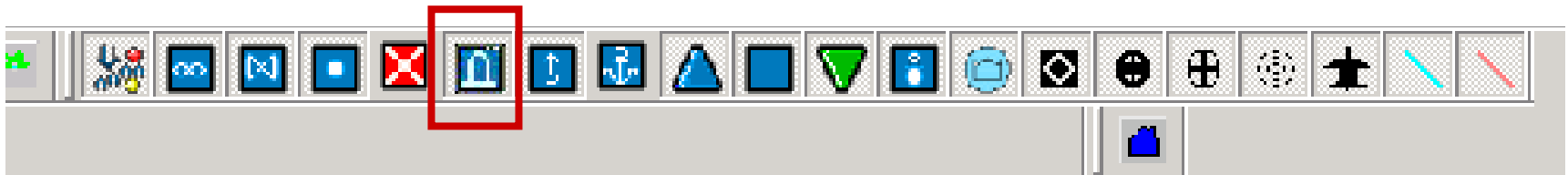


Filters toggles all enemy units stored in AFATDS.



Units can be filtered by type...

Logistics Units

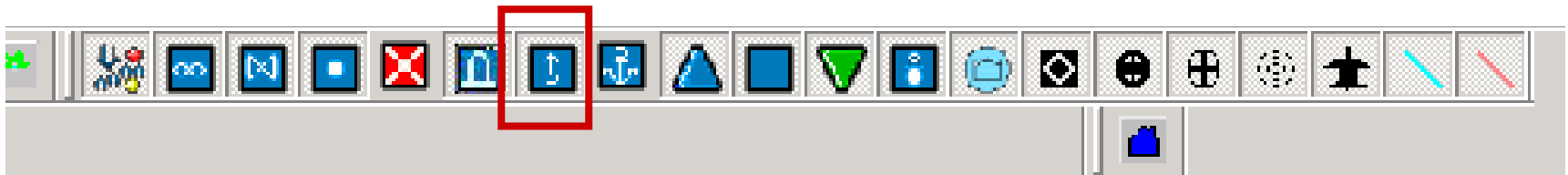


Filters toggles friendly units stored in AFATDS with a unit type of Logistics.



Units can be filtered by type...

Mortar Units

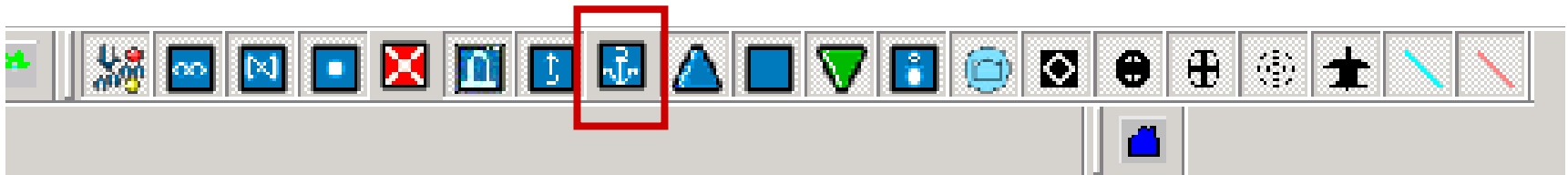


Filters toggles friendly units stored in AFATDS with a unit type of MORTAR.



Units can be filtered by type...

Naval Units



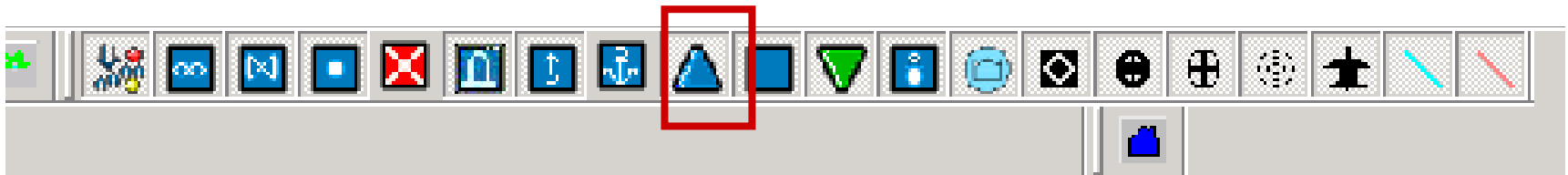
Filters toggles friendly units stored in AFATDS with a unit type of NAVAL SHIP.

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Units can be filtered by type...

Observer Units

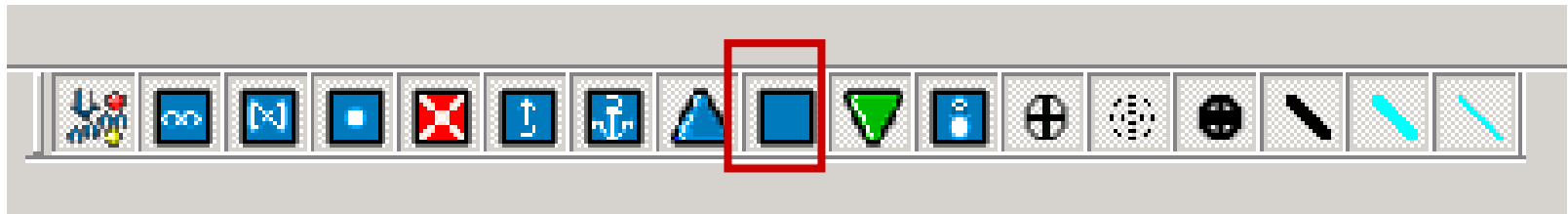


Filters toggles friendly units stored in AFATDS with a unit type of OBSERVER.



Units can be filtered by type...

Other Units

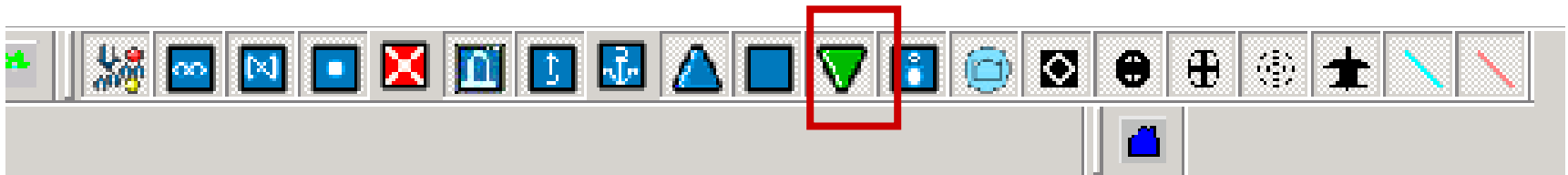


Filters toggles friendly units stored in AFATDS with a unit type of OTHER.



Units can be filtered by type...

Radar Units

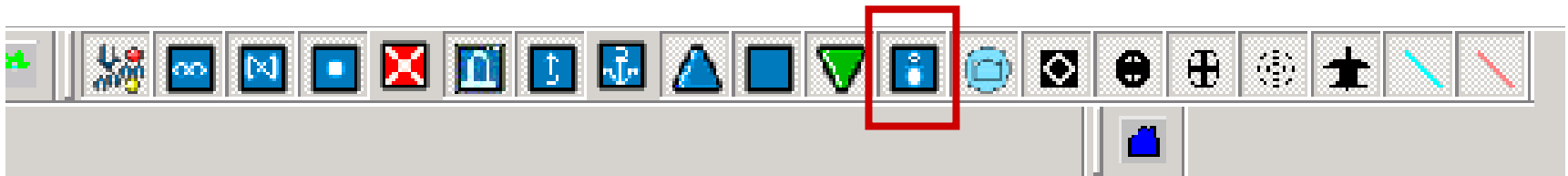


Filters toggles friendly units stored in AFATDS with a unit type of RADAR. This includes CBR, CMR and JSTARS units.



Units can be filtered by type...

Rocket Units

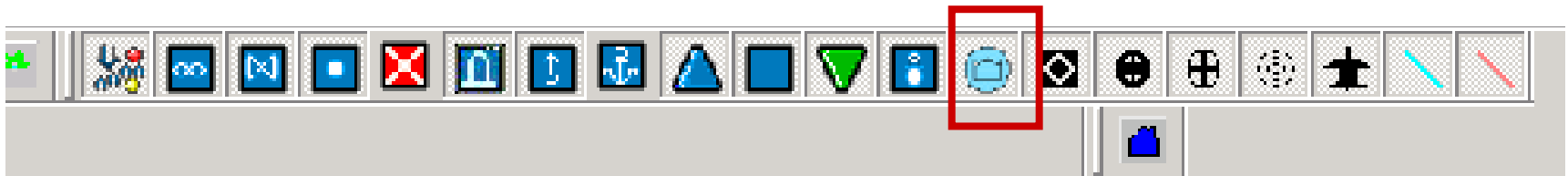


This includes individual HIMARS or MLRS launchers and FDS controlled platoons and batteries.



Units can be filtered by type...

Tracks



This includes all track data received from PAS and FBCB2

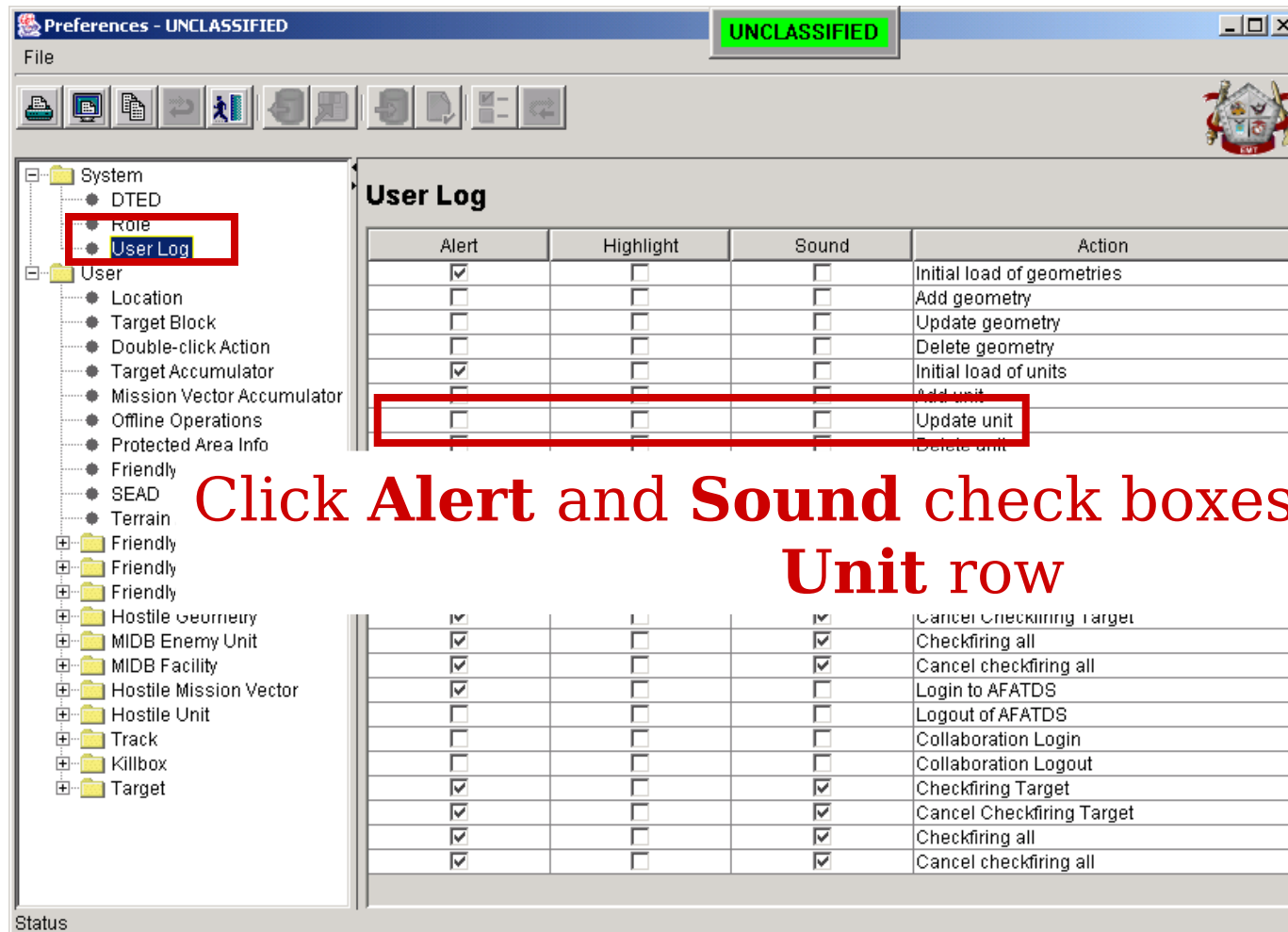


EMT Unit Data



Click **EMT Tools, Preferences...**

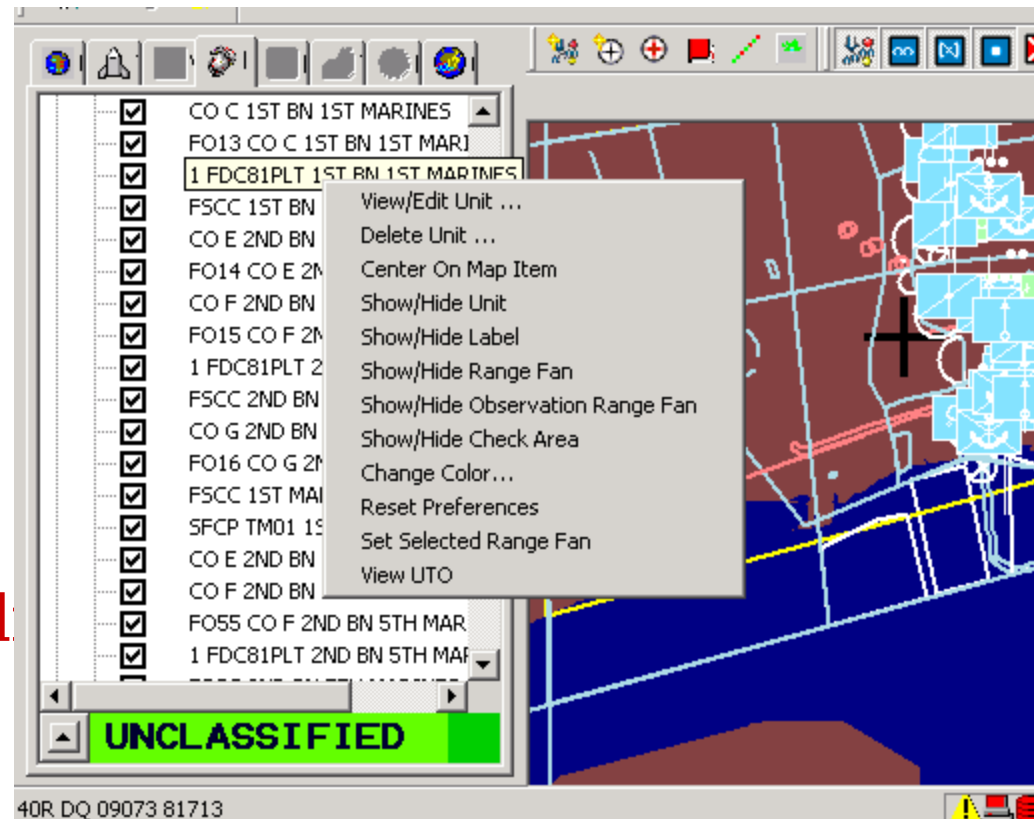
Click the **User Log** file





Display the unit tree and expand the friendly units list.

Right-click on **1 FDC81PLT 1ST BN 1ST MARINES**



Click on **View/Ed**



Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED UNCLASSIFIED

File

Basic Data | Next Location/Status | Range Fan | Mortar C

ENTIFICATION

Last Update	072235Z Jan04	Current Command Unit Id	FSCC 1ST BN 1ST MARINES
Unit Type	Mortar	Current Supported Unit Id	
Service	USMC	On Order Command Unit Id	
Rein/Det		On Order Supported Unit Id	
Role	Unit	Met Station Unit Id	
Echelon	Platoon	Battery HQ Unit Id	
Function	Mortar		
Lower Echelon Id	81PLT		
Higher Echelon Id	1/1		
Radio Call Sign			

OPERATIONAL STATUS

Operational Status Ready

Time Operational 071345Z Jan04

4 3/410 030 11/13 40 U

Position Area Location Type Other Datum Wgs 84

Status

Spinning symbol indicates data download from AFATDS is not complete.

AFATDS Basic and General Unit data - view only

Location selector - allows location updates to ALL





Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED

File

Basic Data | Next Location/Status | **Range Fan** | Mortar Data | Assets | Critical Levels

☒ Unit Range Fan

Detailed Data:
Tailored to unit type.

Left Azimuth(mils)	0
Right Azimuth(mils)	6400

☐ Munitions Range Fan

HE Min Range(m)	83
HE Max Range(m)	5608
Azimuth of Lay(mils)	4000
Left Azimuth(mils)	0
Right Azimuth(mils)	6400

Status



Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED

File

View-only from AFATDS detailed data.

Basic Data | Next Location/Status | Range Plan | **Mortar Data** | Assets | Critical Levels

Mission	General Support
Response Time(min)	1
Shift Time(min)	1
Max Rate(RPM)	30.0
Sustained Rate(RPM)	15.0
Sub-caliber Device Enabled	☐

WEAPON SUMMARY

Caliber	81mm	Authorized	8
Weapon Mobility	Mortar	Operational	8
Model	M252	On Hand	8
Bridge Class	N/A	On Requisition	0

Characteristics and Summary from AFATDS Detailed data.

Status



Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED

File

Provides view-only ammunition status.

Assets

Projectiles Equipment Fuel

Selection: Category Summary

Category	Total Auth Qty	Total Qty	Current %	Status	Last Update
HE	0	800	100	Green	07 1348Z JAN 04
ILLUM IR	0	0	100	White	07 2235Z JAN 04
ILLUM VL	0	200	100	Green	07 2235Z JAN 04
RP	0	240	100	Green	07 1348Z JAN 04
Training	0	0	100	White	07 2235Z JAN 04
WP	0	0	100	White	07 2235Z JAN 04

Status color is based on AFATDS supply thresholds for ammunition.

Add Remove

Status



Unit - 1FDC81PLT15TBN15TMARINES - UNCLASSIFIED

File

Displays summary of equipment.

Basic Data | Next Location/Status | Range Fan | Mortar Data | Assets | Critical Levels

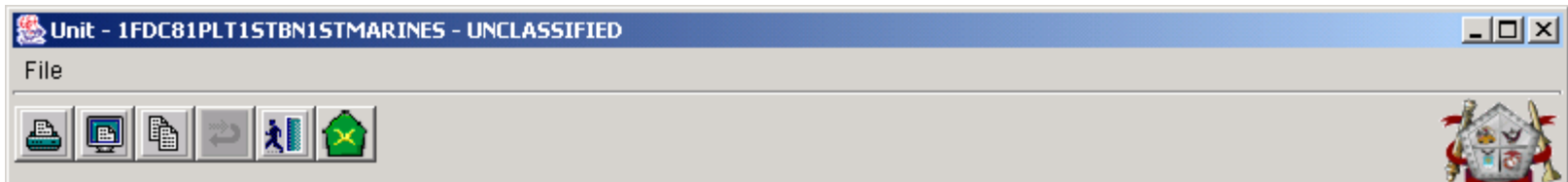
Projectiles | **Equipment** | Fuel

Selection: Summary

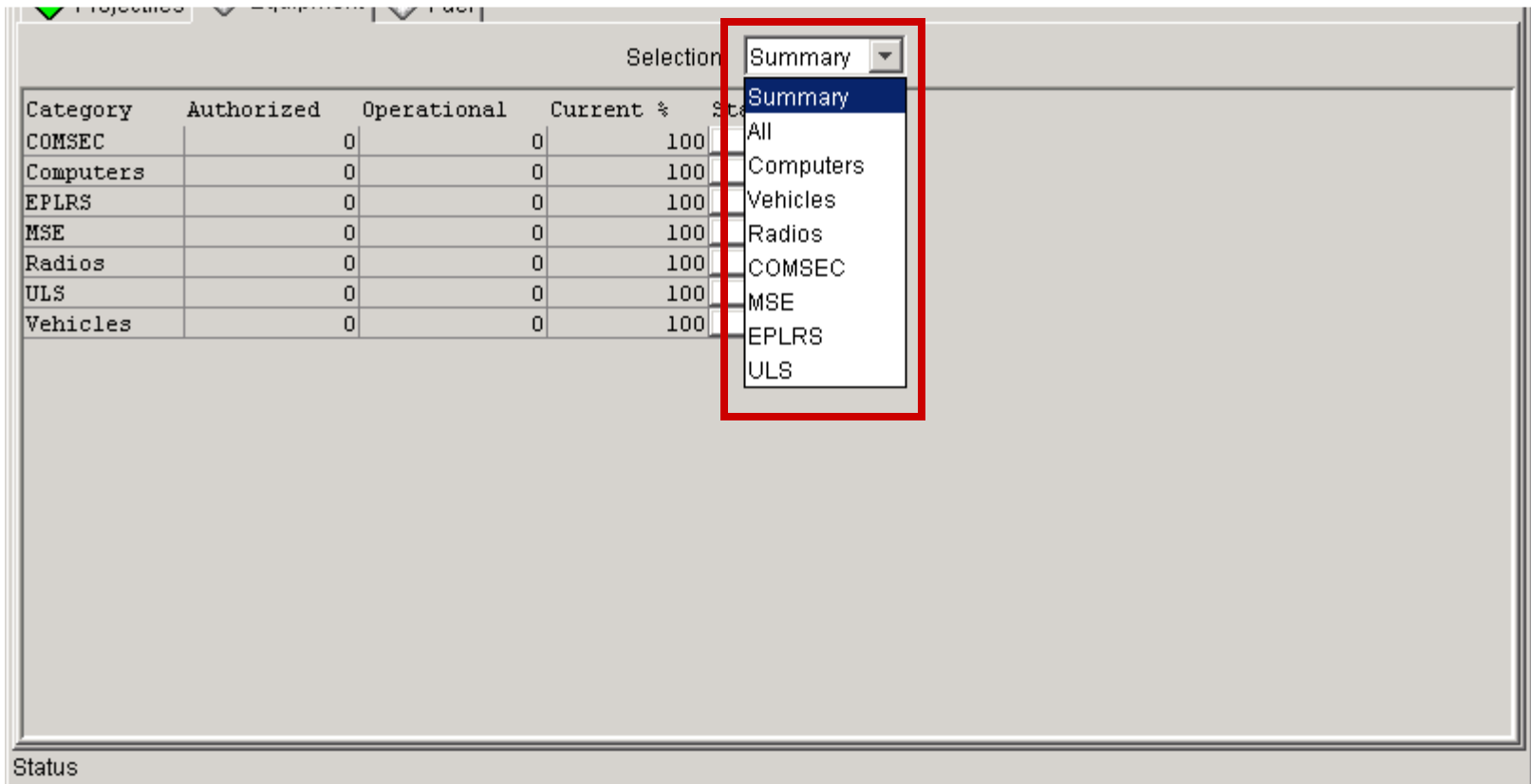
Category	Authorized	Operational	Current %	Status
COMSEC	0	0	100	
Computers	0	0	100	
EPLRS	0	0	100	
MSE	0	0	100	
Radios	0	0	100	
ULS	0	0	100	
Vehicles	0	0	100	

Status

Color based on AFATDS equipment thresholds.



Selecting category allows view of different equipment





Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED

File

Displays MOGAS and diesel statuses.

Basic Data | Next Location/Status | Range Fan | Mortar Data | Assets | Critical Levels

Projectiles | Equipment | **Fuel**

Fuel	Authorized(gal)	On Hand(gal)	Status	Current %
MOGAS	0	0		100
Diesel	0	0		100

Color based on AFATDS POL thresholds.

Status



Report a new unit location.

1 FDC 81PLT 1STBN 1ST MARINES reports it located at
370 110 altitude 87

Click the Basic Data tab.

The screenshot shows the 'Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED' window. The 'Basic Data' tab is selected and highlighted with a red box. The interface includes a menu bar (File), a toolbar, and several data entry sections:

- IDENTIFICATION:** Fields for Last Update (072235Z Jan04), Unit Type (Mortar), Service (USMC), Rein/Det, Role (Unit), Echelon (Platoon), Function (Mortar), Lower Echelon Id (81PLT), Higher Echelon Id (1/1), and Radio Call Sign.
- COMMAND SUPPORT:** Fields for Current Command Unit Id (FSCC 1ST BN 1ST MARINES), Current Supported Unit Id, On Order Command Unit Id, On Order Supported Unit Id, Met Station Unit Id, and Battery HQ Unit Id.
- OPERATIONAL STATUS:** Fields for Operational Status (Ready) and Time Operational (071345Z Jan04).
- CURRENT LOCATION:** A field for coordinates (4 37410 030 11713 40) and a '0' indicator, along with Position Area, Location Type (Other), and Datum (Wgs 84).

A status bar at the bottom indicates 'Status'.



Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED

File

Basic Data | Next Location/Status | Range Fan | Mortar Data | Assets | Critical Levels

IDENTIFICATION

Last Update: 072235Z Jan04

Unit Type: Mortar

Service: USMC

Rein/Det:

Role: Unit

Echelon: Platoon

Function: Mortar

Lower Echelon Id: 81PLT

COMMAND SUPPORT

Current Command Unit Id: FSCC 1ST BN 1ST MARINES

Current Supported Unit Id:

On Order Command Unit Id:

On Order Supported Unit Id:

Met Station Unit Id:

Battery HQ Unit Id:

OPERATIONAL STATUS

Ready

071345Z Jan04

CURRENT LOCATION

370 110 87 4 37000 030 11000 40

Position Area Location Type

Status

Type the location and altitude...

The location assumes long coordinates based on Location Tab of Preferences



C2PC - WGS 1984: Global Definition - [test - Flexible Draw]

File Fire Support Map Favorites Declutter Tools Window Help

1 : 222,222

Friendly Units (All)

- FWD DASC MASS3 3MAW
- FWD TBMCS DASC MASS3 3M
- SALT 1 1ST ANGLICO
- FSE 3RD ARMY
- CO A 1ST LAR BN
- CO B 1ST LAR BN
- FDC 1ST BN 11TH MARINES
- A FDC 1ST BN 11TH MARINES
- B FDC 1ST BN 11TH MARINES
- C FDC 1ST BN 11TH MARINES
- CBR04 11TH MARINES
- MET01 11TH MARINES
- 1 IN BTY 5TH BN 14TH MAR
- 2 IN BTY 5TH BN 14TH MAR
- 3 IN BTY 5TH BN 14TH MAR
- N FDC 5TH BN 14TH MARINE
- FAC 10 1ST MARINES
- CO A 1ST BN 1ST MARINES
- CO B 1ST BN 1ST MARINES
- CO C 1ST BN 1ST MARINES
- FSCC 1ST BN 1ST MARINES
- 1 SEC81PLT 1ST BN 1ST MAR
- CO E 2ND BN 1ST MARINES
- CO F 2ND BN 1ST MARINES
- FSCC 2ND BN 1ST MARINES
- CO G 2ND BN 1ST MARINES
- 1 SEC81PLT 2ND BN 1ST MAR
- FSCC 1ST MARINES
- SFCP TM01 1ST MARINES
- BSSG1 1 MEB
- FSCC 1 MEB

UNCLASSIFIED

Audible alarm "UPDATED UNIT!"

Unit moves on screen...

Text alert displays.

Received an update to unit: 1 SEC81PLT 1ST BN 1ST MARINES

+40 435676 03000854

Start | Micros... | EMT_O... | USMC ... | C2PC - ... | 63203... | ALL_E... | 6320 C... | 11:46 AM



USMC FIT

Paytheon

C 1/1 moves to 1 FDC 81 1/1

POS

Unit - 1FDC81PLT1STBN1STMARINES - UNCLASSIFIED

File

Basic Data | Next Location/Status | Rang

IDENTIFICATION

Last Update: 072235Z Jan04

Unit Type: Mortar

Service: USMC

Rein/Det:

Role: Unit

Echelon: Platoon

Function: Mortar

Lower Echelon Id: 81PLT

Higher Echelon Id: 1/1

Radio Call Sign:

COMMAND SUPPORT

Current Command Unit Id: FSCC 1ST BN 1ST MARINES

Current Supported Unit Id:

On Order Command Unit Id:

On Order Supported Unit Id:

Met Station Unit Id:

Battery HQ Unit Id:

OPERATIONAL STATUS

Operational Status: Ready

Time Operational: 071345Z Jan04

CURRENT LOCATION

370 110 87 4 37000 030 11000 4

Position Area: Locat

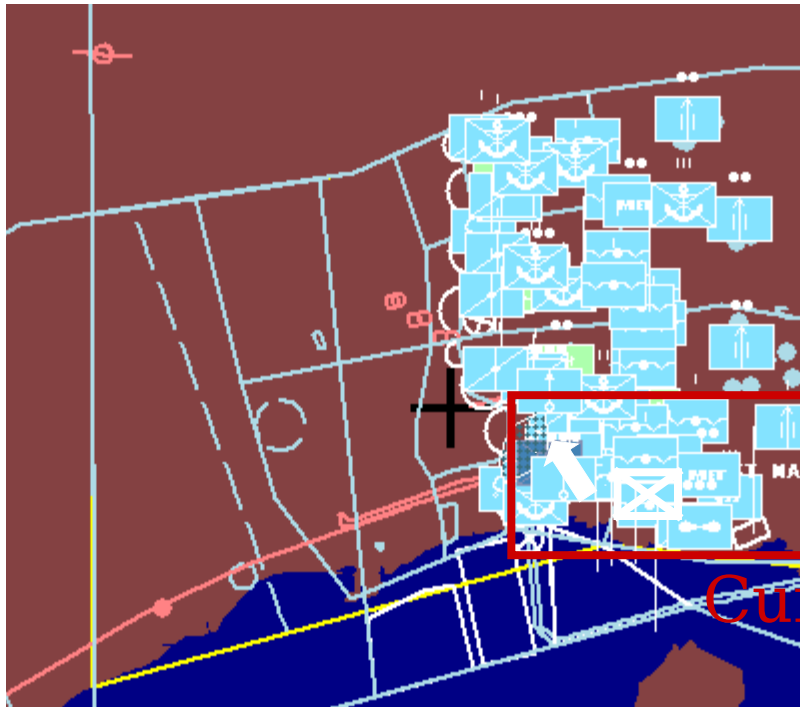
Status

Edit CO C 1ST BN 1ST MARINES

Click globe icon...



Preference window minimizes and map displays...



Cursor appears with box

Left click on new location...



Unit - COC1STBN1STMARINES - UNCLASSIFIED

UNCLASSIFIED

File

Basic Data | Next Location/Status | Range Fan | Observer Data | Assets | Critical Levels

IDENTIFICATION

Last Update: 071345Z Jan04

Unit Type: Observer

Service: USMC

Rein/Det:

Role: Unit

Echelon: Company

Function: Marine Infantry

Lower Echelon Id: C

Higher Echelon Id: 1/1

Radio Call Sign:

COMMAND SUPPORT

Current Command Unit Id: FSCC 1ST BN 1ST MARINES

Current Supported Unit Id:

On Order Command Unit Id:

On Order Supported Unit Id:

Met Station Unit Id:

Battery HQ Unit Id:

OPERATIONAL STATUS

Operational Status: Ready

al: 071339Z Jan04

CURRENT LOCATION

4 36240 030 12840 40

Position:

Type altitude "87"

Preferences window redisplays with location.

Status



4 2D BTY 2ND BN 14TH MARINES

- View/Edit Unit ...
- Delete Unit ...
- Center On Map Item
- Show/Hide Unit
- Show/Hide Label
- Show/Hide Range Fan
- Show/Hide Observation Range Fan
- Show/Hide Check Area
- Change Color...
- Reset Preferences
- Set Selected Range Fan
- View UTO

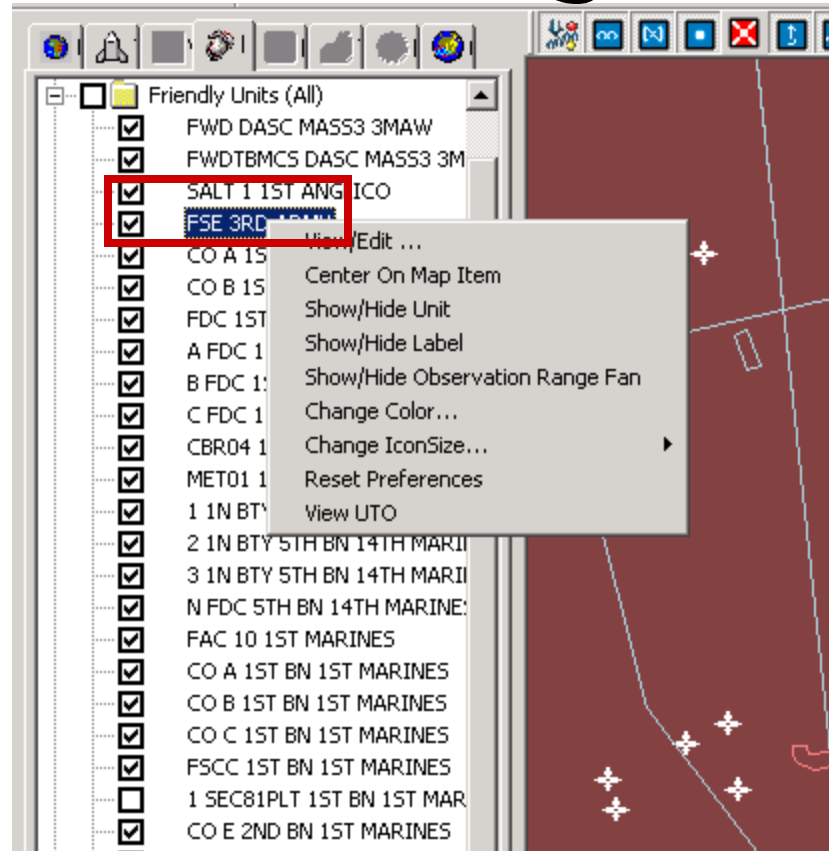
- Center Here
- Zoom In
- Zoom Out
- Zoom Box

- Center / Width
- Last Map
- Favorites
- Quick Draw
- ✓ Show Tooltip
- Range
- Range Bearing

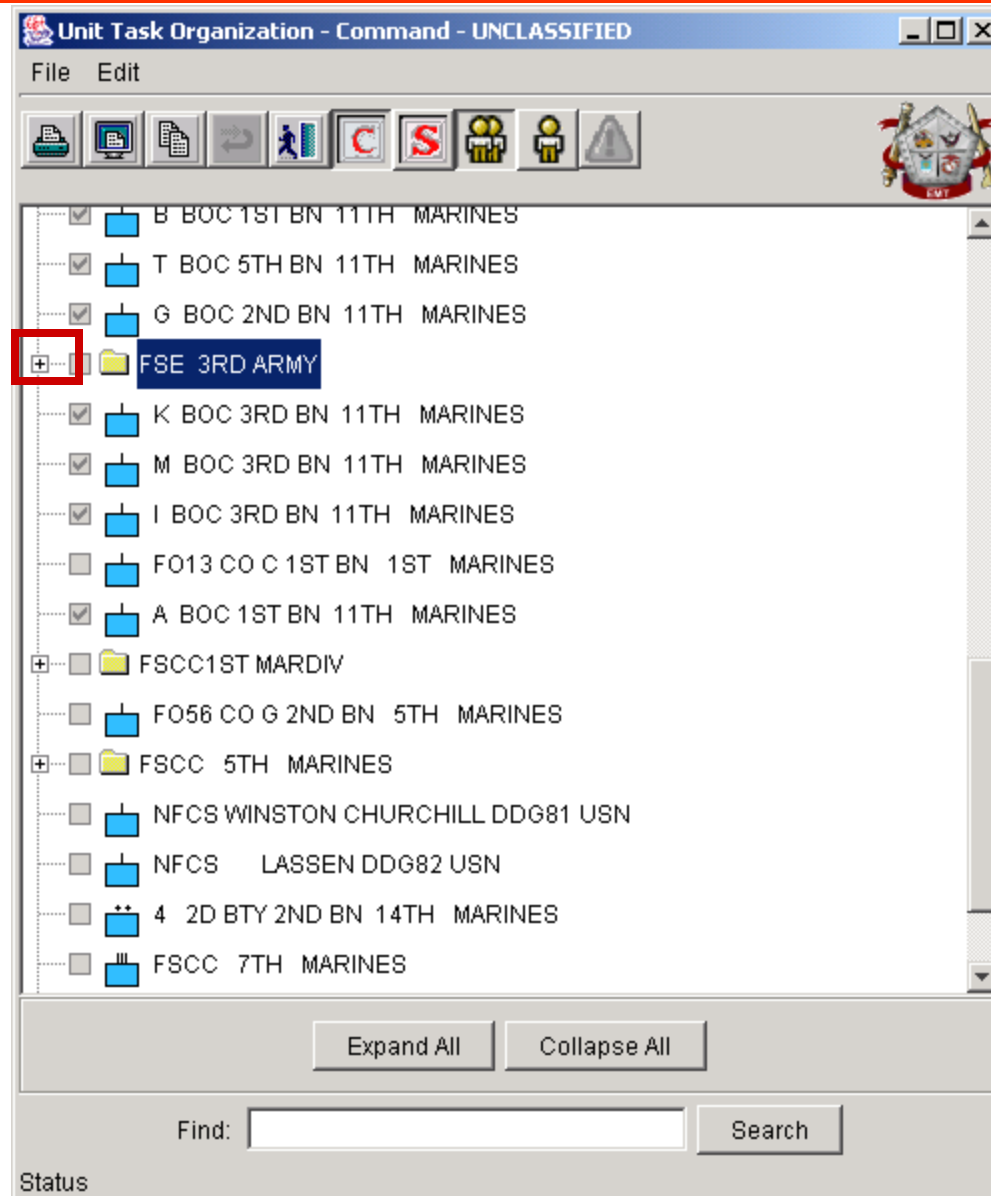
- Map Data

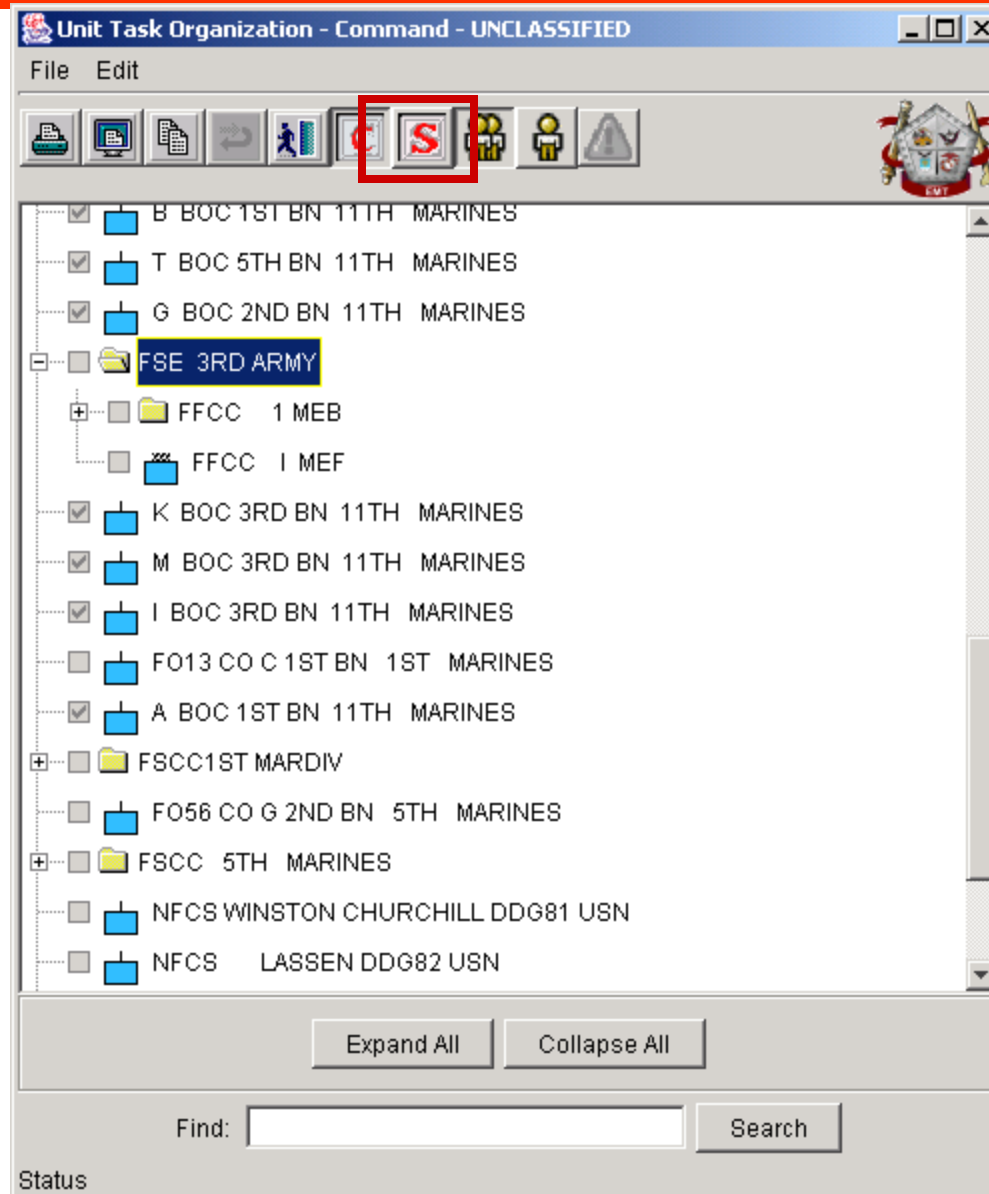


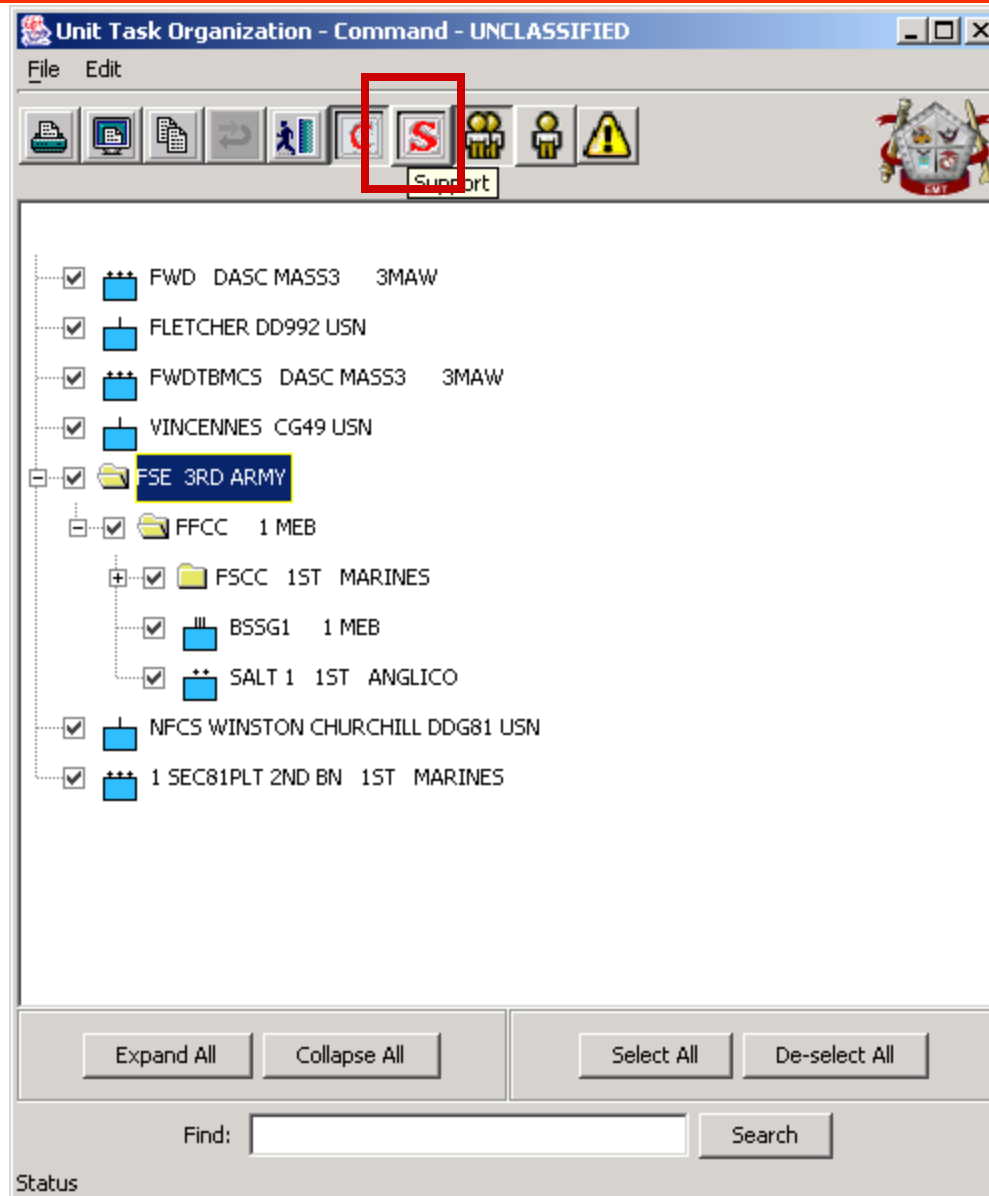
Unit Task Organization

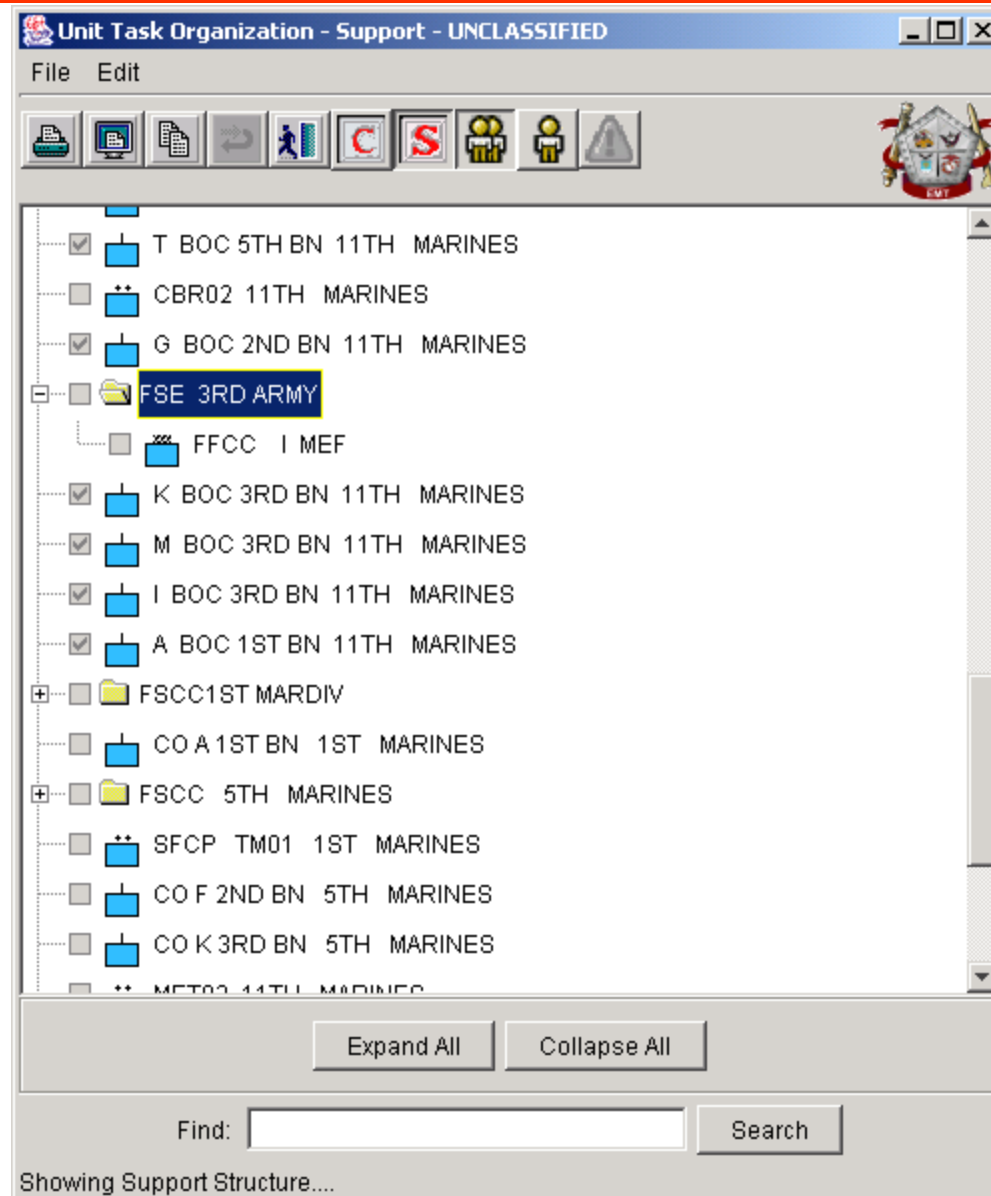


Right-click on FSE 3RD ARMY











Summary